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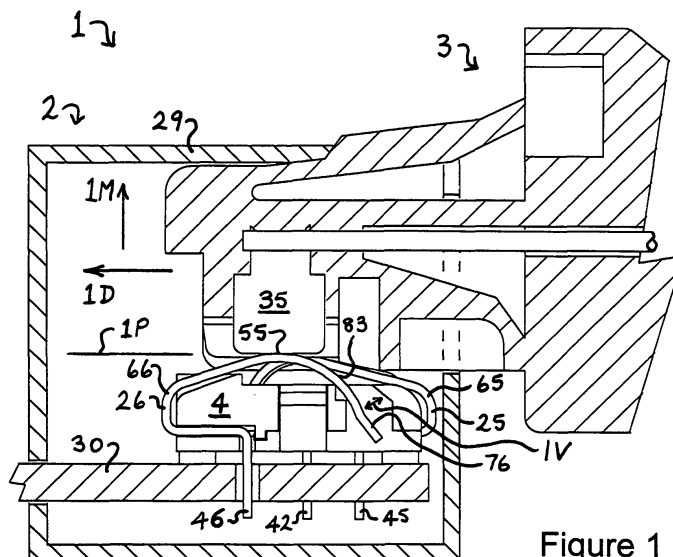
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(54) **Improvements in and relating to high frequency electrical connectors**

(57) A high frequency electrical connector (1) comprises a socket (2) and a plug (3). The plug is insertable into the socket in a first direction (1D), the socket and plug each having multiple electrical contacts (25, 26, 35) which are arranged to electrically interconnect the plug and socket. The socket has a base (4) for fixedly mounting a fixed end (42, 45, 46) of the contacts. The contacts have contact areas (55) arranged for electrically inter-

connecting to corresponding plug contacts, the contact areas being aligned so as to be parallel in a first dimension (1M) with the first direction (1D), and having a resiling portion (66) in-between the contact areas and the fixed ends (46), the socket contacts are formed in several different shapes (1S, 2S, 3S, 4S), wherein each shape has an at least partly arcuate contact area (81 to 88) and wherein a free end (76) of each contact is enclosed by the base (4).



**Figure 1**



## EUROPEAN SEARCH REPORT

Application Number  
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	GB 2 393 858 B (BRAND REX LTD [GB]) 22 December 2004 (2004-12-22)	1-5, 7-11,14, 15, 18-22, 24,25	INV. H01R24/00
A	* page 6, paragraph 3 - page 7, paragraph 5; figures 1,5,7,8,7a *	6,12,13, 16,17,23	
X	US 2002/132532 A1 (HENNEBERGER ROY L [US]) 19 September 2002 (2002-09-19)	1-5, 7-11,14, 15, 18-22, 24,25	
A	* the whole document *	6,12,13, 16,17,23	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01R
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 21 October 2009	Examiner Marcolini, Paolo
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 25 1457

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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